

chain nodes :

8 10 21 23

ring nodes :

1 2 3 4 5 6 11 12 13 14 15 16 17 18 19 20

chain bonds :

4-8 5-10 6-23 10-13 10-21

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 14-17 15-16 15-20 17-18
18-19 19-20

exact/norm bonds :

4-8 10-21

exact bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-10 6-23 10-13

normalized bonds :

11-12 11-16 12-13 13-14 14-15 14-17 15-16 15-20 17-18 18-19 19-20

isolated ring systems :

containing 1 : 11 :

G1:O,S

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 10:CLASS 11:Atom 12:Atom
13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:CLASS 23:CLASS

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 JAN 27 Source of Registration (SR) information in REGISTRY updated
 and searchable
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in
 CA/CaPlus
NEWS 5 FEB 05 German (DE) application and patent publication number format
 changes
NEWS 6 MAR 03 MEDLINE and LMedLINE reloaded
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 03 FRANCEPAT now available on STN
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 10 MAR 29 WPIFV now available on STN
NEWS 11 MAR 29 No connect hour charges in WPIFV until May 1, 2004
NEWS 12 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
 AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 19:04:03 ON 14 APR 2004

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 19:04:09 ON 14 APR 2004
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STRUCTURE FILE UPDATES: 13 APR 2004 HIGHEST RN 675103-21-6
 DICTIONARY FILE UPDATES: 13 APR 2004 HIGHEST RN 675103-21-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

L1 STRUCTURE UPLOADED

=> l1

L1 IS NOT A RECOGNIZED COMMAND

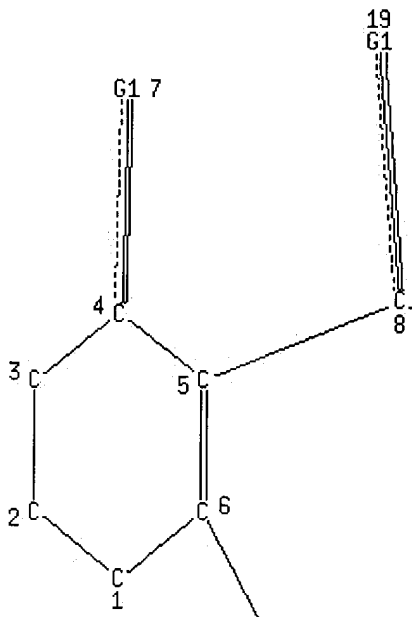
The previous command name entered was not recognized by the system. For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> d l1

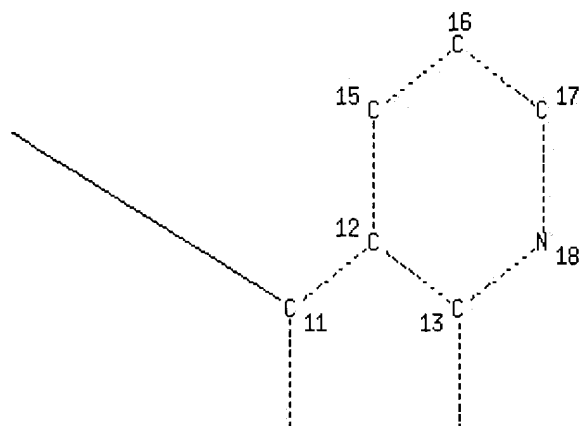
L1 HAS NO ANSWERS

L1 STR

0 21 S 22

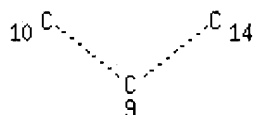


Page 1-A



Page 1-B

X 20
Page 2-A



Page 2-B

VAR G1=21/22

NODE ATTRIBUTES:

NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS C	AT	7
NSPEC	IS C	AT	8
NSPEC	IS R	AT	9
NSPEC	IS R	AT	10
NSPEC	IS R	AT	11
NSPEC	IS R	AT	12
NSPEC	IS R	AT	13
NSPEC	IS R	AT	14
NSPEC	IS R	AT	15
NSPEC	IS R	AT	16
NSPEC	IS R	AT	17
NSPEC	IS R	AT	18
NSPEC	IS C	AT	19
NSPEC	IS C	AT	20

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 8 20 21 22

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE

=> s 11

SAMPLE SEARCH INITIATED 19:05:56 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**

PROJECTED ITERATIONS: 0 TO 0
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 19:05:59 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 17 TO ITERATE

100.0% PROCESSED 17 ITERATIONS 14 ANSWERS
 SEARCH TIME: 00.00.01

L3 14 SEA SSS FUL L1

=> file hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	156.26	156.47

FILE 'HCAPLUS' ENTERED AT 19:06:02 ON 14 APR 2004

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FILE COVERS 1907 - 14 Apr 2004 VOL 140 ISS 16

FILE LAST UPDATED: 13 Apr 2004 (20040413/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 1 L3

=> d l4, ibib abs fhitr, 1

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Citing
 Text References

ACCESSION NUMBER: 2000:175796 HCAPLUS

DOCUMENT NUMBER: 132:207770

TITLE: Preparation of oxocyclohexenoylquinolines as herbicides.

INVENTOR(S): Witschel, Matthias; Misslitz, Ulf; Baumann, Ernst; Von Deyn, Wolfgang; Langemann, Klaus; Mayer, Guido; Neidlein, Ulf; Gotz, Roland; Gotz, Norbert; Rack, Michael; Engel, Stefan; Otten, Martina; Westphalen, Karl-Otto; Walter, Helmut

PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 100 pp.
CODEN: PIXXD2

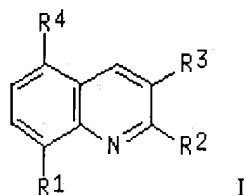
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000014069	A1	20000316	WO 1999-EP6322	19990827
W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HR, HU, ID, IL, IN, JP, KR, KZ, LT, LV, MK, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2343144	AA	20000316	CA 1999-2343144	19990827
AU 9957425	A1	20000327	AU 1999-57425	19990827
EP 1112256	A1	20010704	EP 1999-944541	19990827
EP 1112256	B1	20031029		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002524448	T2	20020806	JP 2000-568828	19990827
PRIORITY APPLN. INFO.:			DE 1998-19840799 A	19980908
			WO 1999-EP6322 W	19990827
OTHER SOURCE(S):		MARPAT 132:207770		
GI				



AB Title compds. [I; R1 = H, NO₂, halo, cyano, alkyl, haloalkyl, alkoxyiminomethyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfinyl, haloalkylsulfinyl, alkylsulfonyl, haloalkylsulfonyl, (substituted) aminosulfonyl, sulfonylamino, PhO, heterocyclyloxy, PhS, heterocyclylthio; R2, R3 = H, alkyl, haloalkyl, halo; R4 = substituted (3-oxo-1-cyclohexen-2-yl)carbonyl, (1,3-dioxo-2-cyclohexyl)methylidene], were prepd. Thus, 2-(8-chloroquinolin-5-yl)carbonyl-4,4,6,6-tetramethylcyclohexan-1,3,5-trione in CH₂Cl₂ was treated with (COCl)₂ and DMF followed by 1.5 h stirring to give 2-[(8-chloroquinolin-5-yl)carbonyl]-1-chloro-4,4,6,6-tetramethylcyclohex-1-en-1,3,5-trione and 2-(8-chloroquinolin-5-yl)chloromethylidene-4,4,6,6-tetramethylcyclohexan-1,3,5-trione. Several I at 0.125-0.25 kg/ha postemergent showed very good activity against *Setaria faberi*, *Setaria viridis*, and *Solanum nigrum*.

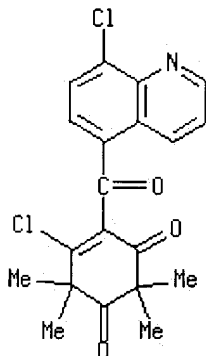
IT 260795-46-8P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic

preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of oxocyclohexenoylquinolines as herbicides)

RN 260795-46-8 HCAPLUS

CN 4-Cyclohexene-1,3-dione, 5-chloro-4-[(8-chloro-5-quinolinyl)carbonyl]-
2,2,6,6-tetramethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file caold

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST

7.12 163.59

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE TOTAL

ENTRY SESSION

CA SUBSCRIBER PRICE

-0.69 -0.69

FILE 'CAOLD' ENTERED AT 19:06:29 ON 14 APR 2004

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

(FILE 'HOME' ENTERED AT 19:04:03 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 19:04:09 ON 14 APR 2004

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 14 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 19:06:02 ON 14 APR 2004

L4 1 S L3

FILE 'CAOLD' ENTERED AT 19:06:29 ON 14 APR 2004

=> s l3

L5 0 L3

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

FULL ESTIMATED COST

0.42	164.01
------	--------

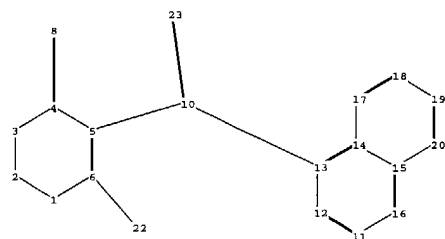
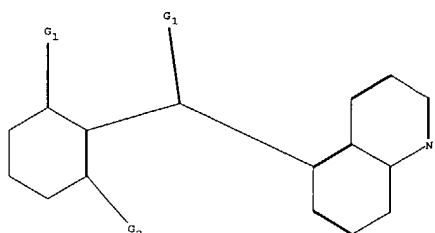
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION

CA SUBSCRIBER PRICE

0.00	-0.69
------	-------

STN INTERNATIONAL LOGOFF AT 19:06:36 ON 14 APR 2004



```

chain nodes :
  8 10 22 23
ring nodes :
  1 2 3 4 5 6 11 12 13 14 15 16 17 18 19 20
chain bonds :
  4-8 5-10 6-22 10-13 10-23
ring bonds :
  1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 14-17 15-16 15-20 17-18
  18-19 19-20
exact/norm bonds :
  4-8 6-22 10-23
exact bonds :
  1-2 1-6 2-3 3-4 4-5 5-6 5-10 10-13
normalized bonds :
  11-12 11-16 12-13 13-14 14-15 14-17 15-16 15-20 17-18 18-19 19-20
isolated ring systems :
  containing 1 : 11 :
  
```

G1:O,S

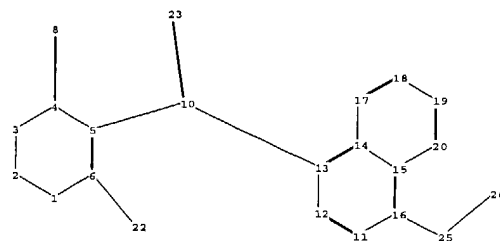
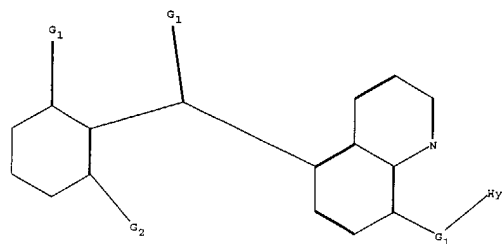
G2:O,S,N \X

Match level :

```

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 10:CLASS 11:Atom 12:Atom
13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 22:CLASS 23:CLASS
  
```

C:\stnweb\Queries\987a.str



chain nodes :

8 10 22 23 25 26

ring nodes :

1 2 3 4 5 6 11 12 13 14 15 16 17 18 19 20

chain bonds :

4-8 5-10 6-22 10-13 10-23 16-25 25-26

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 14-17 15-16 15-20 17-18
18-19 19-20

exact/norm bonds :

4-8 6-22 10-23 16-25 25-26

exact bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-10 10-13

normalized bonds :

11-12 11-16 12-13 13-14 14-15 14-17 15-16 15-20 17-18 18-19 19-20

isolated ring systems :

containing 1 : 11 :

G1:O,S

G2:O,S,N

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 8:CLASS 10:CLASS 11:Atom 12:Atom
13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 22:CLASS 23:CLASS
25:CLASS 26:Atom

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 and searchable
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in
 CA/Caplus
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NEWS 12 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
 AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 10:06:21 ON 14 APR 2004

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 13 APR 2004 HIGHEST RN 675103-21-6
 DICTIONARY FILE UPDATES: 13 APR 2004 HIGHEST RN 675103-21-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

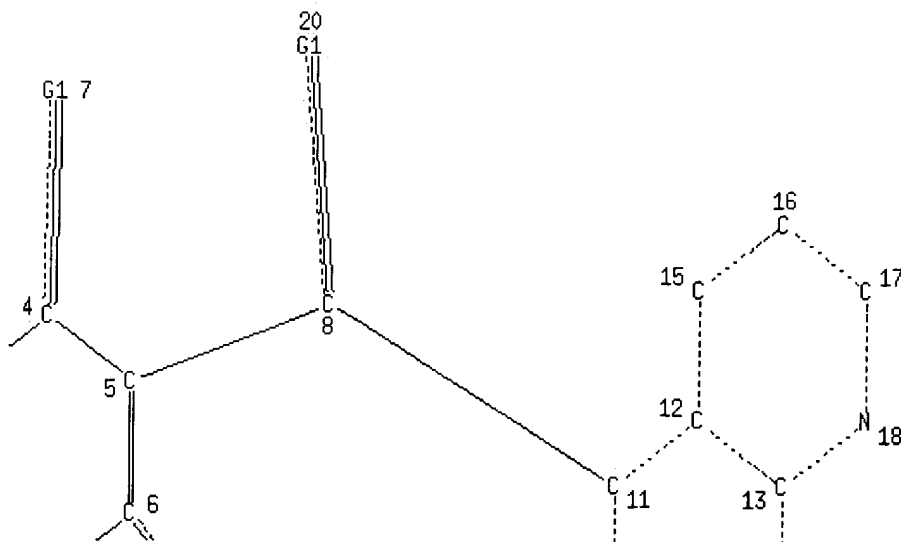
L1 STR

0 23 S 24 N 25

0 21 S 22

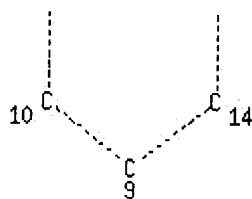
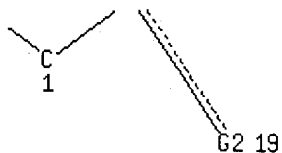


Page 1-A



Page 1-B

Page 2-A



Page 2-B

VAR G1=21/22

VAR G2=23/24/25

NODE ATTRIBUTES:

NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS C	AT	7
NSPEC	IS C	AT	8
NSPEC	IS R	AT	9
NSPEC	IS R	AT	10
NSPEC	IS R	AT	11
NSPEC	IS R	AT	12
NSPEC	IS R	AT	13
NSPEC	IS R	AT	14
NSPEC	IS R	AT	15
NSPEC	IS R	AT	16
NSPEC	IS R	AT	17
NSPEC	IS R	AT	18
NSPEC	IS C	AT	19
NSPEC	IS C	AT	20

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 8 21 22 23 24 25

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE

=> s 11

SAMPLE SEARCH INITIATED 10:09:04 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS

4 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:	ONLINE	**COMPLETE**
	BATCH	**COMPLETE**

PROJECTED ITERATIONS: 7 TO 298

PROJECTED ANSWERS: 4 TO 200

L2

4 SEA SSS SAM L1

=> s 11 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 10:09:08 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 139 TO ITERATE

100.0% PROCESSED 139 ITERATIONS
SEARCH TIME: 00.00.01

81 ANSWERS

L3 81 SEA SSS FUL L1

=>

L4 STRUCTURE UPLOADED

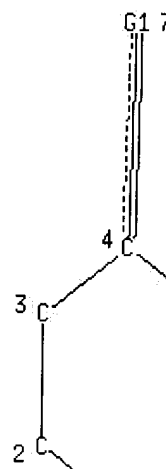
=> d 14

L4 HAS NO ANSWERS

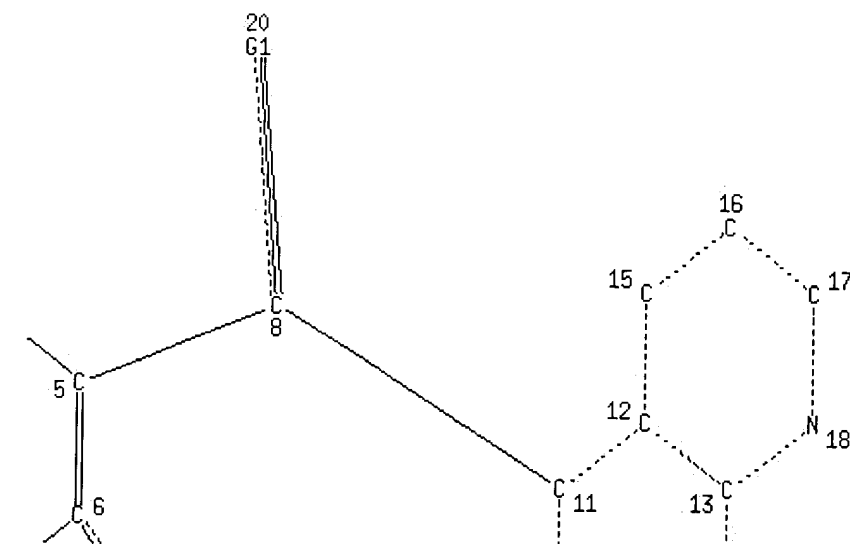
L4 STR

0 25 S 26 N 27

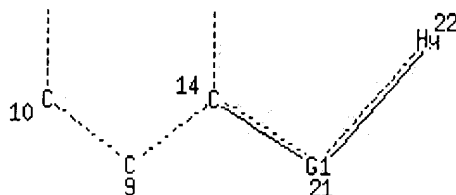
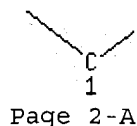
0 23 S 24



Page 1-A



Page 1-B



Page 2-B

VAR G1=23/24

VAR G2=25/26/27

NODE ATTRIBUTES:

NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS C	AT	7
NSPEC	IS C	AT	8
NSPEC	IS R	AT	9
NSPEC	IS R	AT	10
NSPEC	IS R	AT	11
NSPEC	IS R	AT	12
NSPEC	IS R	AT	13
NSPEC	IS R	AT	14
NSPEC	IS R	AT	15
NSPEC	IS R	AT	16
NSPEC	IS R	AT	17
NSPEC	IS R	AT	18
NSPEC	IS C	AT	19
NSPEC	IS C	AT	20
NSPEC	IS C	AT	21
NSPEC	IS C	AT	22

DEFAULT MLEVEL IS ATOM

MLEVEL IS CLASS AT 8 23 24 25 26 27

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 27

STEREO ATTRIBUTES: NONE

=> s 14

SAMPLE SEARCH INITIATED 10:10:03 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 3 TO 163

PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> s 14 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 10:10:07 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 27 TO ITERATE

100.0% PROCESSED 27 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

L6 0 SEA SSS FUL L4

=> d his

(FILE 'HOME' ENTERED AT 10:06:21 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 10:06:27 ON 14 APR 2004

L1 STRUCTURE UPLOADED

L2 4 S L1

L3 81 S L1 FULL

L4 STRUCTURE UPLOADED

L5 0 S L4

L6 0 S L4 FULL

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

312.94

313.15

FILE 'HCAPLUS' ENTERED AT 10:10:46 ON 14 APR 2004

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FILE COVERS 1907 - 14 Apr 2004 VOL 140 ISS 16

FILE LAST UPDATED: 13 Apr 2004 (20040413/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L7 2 L3

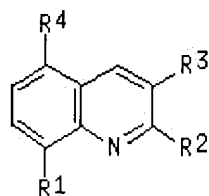
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L7 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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ACCESSION NUMBER: 2000:175796 HCAPLUS
 DOCUMENT NUMBER: 132:207770
 TITLE: Preparation of oxocyclohexenoylquinolines as herbicides.
 INVENTOR(S): Witschel, Matthias; Misslitz, Ulf; Baumann, Ernst; Von Deyn, Wolfgang; Langemann, Klaus; Mayer, Guido; Neidlein, Ulf; Gotz, Roland; Gotz, Norbert; Rack, Michael; Engel, Stefan; Otten, Martina; Westphalen, Karl-Otto; Walter, Helmut
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 100 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000014069	A1	20000316	WO 1999-EP6322	19990827
W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HR, HU, ID, IL, IN, JP, KR, KZ, LT, LV, MK, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, VN, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
CA 2343144	AA	20000316	CA 1999-2343144	19990827
AU 9957425	A1	20000327	AU 1999-57425	19990827
EP 1112256	A1	20010704	EP 1999-944541	19990827
EP 1112256	B1	20031029		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002524448	T2	20020806	JP 2000-568828	19990827
PRIORITY APPLN. INFO.: DE 1998-19840799 A 19980908				
WO 1999-EP6322 W 19990827				
OTHER SOURCE(S): MARPAT 132:207770				
GI				



AB Title compds. [I; R1 = H, NO₂, halo, cyano, alkyl, haloalkyl, alkoxyiminomethyl, alkoxy, haloalkoxy, alkylthio, haloalkylthio, alkylsulfinyl, haloalkylsulfinyl, alkylsulfonyl, haloalkylsulfonyl, (substituted) aminosulfonyl, sulfonylamino, PhO, heterocyclyloxy, PhS, heterocyclylthio; R2, R3 = H, alkyl, haloalkyl, halo; R4 = substituted (3-oxo-1-cyclohexen-2-yl)carbonyl, (1,3-dioxo-2-cyclohexyl)methylidene], were prep'd. Thus, 2-(8-chloroquinolin-5-yl)carbonyl-4,4,6,6-tetramethylcyclohexan-1,3,5-trione in CH₂Cl₂ was treated with (COCl)₂ and DMF followed by 1.5 h stirring to give 2-[(8-chloroquinolin-5-yl)carbonyl]-1-chloro-4,4,6,6-tetramethylcyclohex-1-en-1,3,5-trione and 2-(8-chloroquinolin-5-yl)chloromethylidene-4,4,6,6-tetramethylcyclohexan-

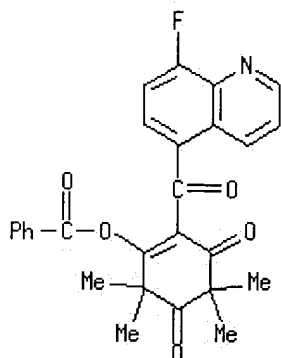
1,3,5-trione. Several I at 0.125-0.25 kg/ha postemergent showed very good activity against *Setaria faberi*, *Setaria viridis*, and *Solanum nigrum*.

IT **260795-09-3P**

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of oxocyclohexenoylquinolines as herbicides)

RN **260795-09-3 HCAPLUS**

CN 4-Cyclohexene-1,3-dione, 5-(benzoyloxy)-4-[(8-fluoro-5-quinolinyl)carbonyl]-2,2,6,6-tetramethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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ACCESSION NUMBER: 1998:197489 HCAPLUS

DOCUMENT NUMBER: 128:243961

TITLE: Preparation of heteroaroylcyclohexanediones as herbicides

INVENTOR(S): Otten, Martina; Gotz, Norbert; Von Deyn, Wolfgang; Engel, Stefan; Kardorff, Uwe; Plath, Peter; Hill, Regina Luise; Witschel, Matthias; Misslitz, Ulf; Westphalen, Karl-Otto; Walter, Helmut

PATENT ASSIGNEE(S): BASF Aktiengesellschaft, Germany; et al.

SOURCE: PCT Int. Appl., 86 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9812180	A1	19980326	WO 1997-EP4894	19970909
W: AL, AU, BG, BR, BY, CA, CN, CZ, GE, HU, IL, JP, KR, KZ, LT, LV, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TR, UA, US, UZ, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19638486	A1	19980326	DE 1996-19638486	19960920
AU 9743833	A1	19980414	AU 1997-43833	19970909
AU 736395	B2	20010726		
EP 931070	A1	19990728	EP 1997-941998	19970909
EP 931070	B1	20030319		
R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, PT, LT, LV				
BR 9711407	A	19990817	BR 1997-11407	19970909

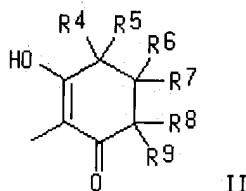
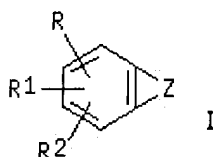
CN 1230951	A	19991006	CN 1997-198078	19970909
NZ 334547	A	20000929	NZ 1997-334547	19970909
JP 2001501924	T2	20010213	JP 1998-514242	19970909
AT 234817	E	20030415	AT 1997-941998	19970909
ZA 9708452	A	19990319	ZA 1997-8452	19970919
US 6479436	B1	20021112	US 1999-254973	19990317

PRIORITY APPLN. INFO.:

DE 1996-19638486	A	19960920
WO 1997-EP4894	W	19970909

OTHER SOURCE(S):
GI

MARPAT 128:243961



Dependent
09254973

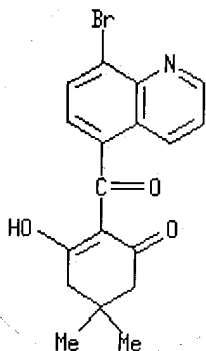
AB Title compds. [I; R = COR3; R1,R2 = H, halo, alkyl, alkoxy, etc.; R3 = dioxocyclohexyl group II; R4,R5,R7,R9 = H or alkyl; R6 = H, (un)substituted (cyclo)alkyl, heterocyclyl, etc.; R8 = H, alkyl, alkoxy-carbonyl; R6R9 = bond or alkylene; R6R7 = O; Z = substituted (N-oxido) CH:CHCH:N, -CH:CHN:CH, substituted CH:CHCH2NH, -CH:CHNHCH2, etc.] were prep'd. as herbicides (no data). Thus, 1,3-cyclohexanedione was O-acylated by 8-bromo-5-quinolinecarboxylic acid (prepn. given) and the product rearranged to give 2-(8-bromo-5-quinolyl)carbonyl-1,3-cyclohexanedione.

IT 205045-89-2P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of heteroaroylcyclohexanediones as herbicides)

RN 205045-89-2 HCAPLUS

CN 2-Cyclohexen-1-one, 2-[(8-bromo-5-quinoliny)carbonyl]-3-hydroxy-5,5-dimethyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d his

(FILE 'HOME' ENTERED AT 10:06:21 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 10:06:27 ON 14 APR 2004

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L2      4 S L1
L3      81 S L1 FULL
L4      STRUCTURE UPLOADED
L5      0 S L4
L6      0 S L4 FULL
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FILE 'HCAPLUS' ENTERED AT 10:10:46 ON 14 APR 2004

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L7      2 S L3
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=> s l3/prep

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      2 L3
      3134267 PREP/RL
L8      2 L3/PREP
      (L3 (L) PREP/RL)
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=> file caold

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	21.31	334.46
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.39	-1.39

FILE 'CAOLD' ENTERED AT 10:13:54 ON 14 APR 2004

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> s l3

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L9      0 L3
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=> file beilstein

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.42	334.88
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-1.39

FILE 'BEILSTEIN' ENTERED AT 10:14:02 ON 14 APR 2004

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FILE RELOADED ON OCTOBER 20, 2002
FILE LAST UPDATED ON MARCH 30, 2004

FILE COVERS 1771 TO 2003.

FILE CONTAINS 8,932,479 SUBSTANCES

>>> PLEASE NOTE: Reaction data and substance data are stored in
separate documents and can not be searched together in one
query.

Reaction data for BEILSTEIN compounds may be displayed
immediately with the display codes PRE (preparations) and REA
(reactions). A substance answer set retrieved after the search
for a chemical name, a molecular formula or a structure search
for example can be restricted to compounds with available
reaction information by concatenation with PRE/FA, REA/FA or
more general with RX/FA. The BEILSTEIN Registry Number (BRN)
is the link between a BEILSTEIN compound and belonging reactions.
For more detailed reaction searches BRNs can be selected from
substance answer sets and searched in the next step as reaction
partner BRNs - Reactant (RX.RBRN) or Product BRN (RX.PBRN).
After a search for reaction details substance documents
associated with reactants or products may be retrieved by
searching RX.PBRNs or RX.RBRNs as BRNs. <<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

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*****
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST.                *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE  *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE          *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS.                        *
* FOR PRICE INFORMATION SEE HELP COST                                *
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L10 0 L3

=> d his

(FILE 'HOME' ENTERED AT 10:06:21 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 10:06:27 ON 14 APR 2004

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L2            4 S L1
L3            81 S L1 FULL
L4            STRUCTURE UPLOADED
L5            0 S L4
L6            0 S L4 FULL
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FILE 'HCAPLUS' ENTERED AT 10:10:46 ON 14 APR 2004

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L7            2 S L3
L8            2 S L3/PREP
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FILE 'CAOLD' ENTERED AT 10:13:54 ON 14 APR 2004

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L9            0 S L3
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FILE 'BEILSTEIN' ENTERED AT 10:14:02 ON 14 APR 2004

L10 0 S L3

=> log y

COST IN U.S. DOLLARS

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ENTRY	SESSION
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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
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CA SUBSCRIBER PRICE

STN INTERNATIONAL LOGOFF AT 10:14:19 ON 14 APR 2004